Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/17/2021 12:10 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/16/2021 09:10 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124533	-1	1.77	124410	1.69
Blue	F	SSC	125000	123187	-2	2.57	123605	2.31
Blue	E	FITC	14284	13797	-4	2.64	386	13.63
Blue	D	PE	23919	23432	-3	2.14	557	10.97
Blue	B	PerCP-Cy5-5	31332	30610	-3	3.29	874	15.19
Blue	A	PE-Cy7	22272	22001	-2	5.26	459	31.21
Red	C	APC	47768	47057	-2	2.67	1621	11.87
Red	A	APC-Cy7	25313	24381	-4	3.04	691	12.33
Violet	B	V450	7085	6780	-5	3.34	474	11.31
Violet	A	V500	26969	25925	-4	2.88	889	8.04

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23743	3.74	584	-5	N/A	N/A	Pass
Blue	F	SSC	55116	2.21	521	0	N/A	N/A	Pass
Blue	E	FITC	58	54.24	493	-8	0.0424	49	Pass
Blue	D	PE	109	40.43	490	-7	0.3740	314	Pass
Blue	B	PerCP-Cy5-5	139	42.36	579	-9	0.0193	85	Pass
Blue	A	PE-Cy7	76	82.37	625	-10	0.0215	4	Pass
Red	C	APC	339	27.30	580	0	0.0263	220	Pass
Red	A	APC-Cy7	128	36.71	552	-3	0.0066	1970	Pass
Violet	B	V450	81	45.76	458	-5	0.0544	2049	Pass
Violet	A	V500	106	27.97	469	-5	0.0259	466	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.06	-31.72	1.00
Blue	20.35	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.42
Red	14.94	13.60 - 20.40	N/A	N/A	29.94	30.28	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10367

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments